

ABSTRACT OF THE DISCLOSURE

A value of a current flowing through a specified spot of an optical module is detected by a current detector to be held in a memory. A value of a current is detected again by the current detector a predetermined time later, and a differential value between the detected value of the current and the value of the current held in the memory is obtained by an arithmetic circuit. An alarm circuit generates alarm signal when the differential value exceeds a predetermined threshold value, and calls an attention to a necessity of preventive maintenance. Alternatively, a ratio of the differential value to the past value is further obtained by the arithmetic circuit. The alarm circuit compares the obtained ratio with a predetermined threshold value. If the differential value or the ratio exceeds the predetermined threshold value, the alarm circuit generates the alarm signal.